

Customer:	RedSeat Entertainment LLC	Notes
Model:	GT USB	DTS
FCC ID:	2AK7R-04337	
IC ID:		
Classification:	General Population	SAR Exclusion

MPE Calculator	RF Exposure Calculations	
Lowest Frequency	2404.000	MHz
Highest Frequency	2476.000	MHz
Wavelength (lowest frequency)	0.125	m
Antenna aperture (1/4 wavelength radiator assumed)	0.031	m
Far Field Distance	1.560	cm
Power (Antenna Conducted)	-0.1500	dBm
Ant Gain dBi	0.5000	dB
Cable Loss	0.0000	dB
ERP dBm	0.3500	dB
ERP mW	1.0839	mW
R	20.0000	cm
S	0.000216	mW/cm ²

Standards
CFR 47 Part 1.1310
Portable

Occupational/Controlled Exposure Limit			inches	cm	time
OSHA	10.000	mW/cm ²	7.874	20.000	6
FCC	5.000	mW/cm ²	7.874	20.000	6
IC	3.165	mW/cm ²	7.874	20.000	6
General Population/Uncontrolled Exposure Limit					
OSHA	10.000	mW/cm ²	7.874	20.000	6
FCC	1.000	mW/cm ²	7.874	20.000	30
IC	0.535	mW/cm ²	7.874	20.000	6

SAR Test Exclusion per FDB 447498 D01 4.3.1a					
	Value				
Maximum conducted output power (mW)	1.0839				
Tune up tolerance (mW)	1				
Minimum Test Separation distance ≤ 5mm	5		Exemption Limit (mW)		Result
Frequency in GHz	2.476		Head	Limb	
Formula = OP+TU/Separation*√Freq in GHz	Result →	0.656	3.00	7.50	Pass

SAR Test Exclusion per RSS-102 Issue 5 Clause 2.5.1						
	ERP mW	Separation	Freq MHz	Exemption Limit (mW)		Result
				Head	Limb	
Compared to Table 1	1.0839	≤ 5mm	2450	4.00	10.00	Pass